



ASD Hinaaja ISAC

SPEFICATION AND CLASSIFICATION





T/B ISAC SPESIFICATION

Ship Particulars

IDENTIFICATION

Name; ISAC c/s: OJSZ
 Ship Type: ASD Tug Boat Flag: Finland
 IMO number: 91872265

CLASSIFICATION

DNV : +Hull +Mach, Tug Unrestricted Navigation

HULL

Gross Tonnage 69:	353	Builder:	Damen
Net Tonnage:	105	Date of build:	01 Jan 1998
Deadweight	240 ton	Hull material:	Steel
Overall length:	30,6 m	Hull info:	1 continuous deck
LPP:	27,44 m	Survey type:	Normal (Hull)
Breadth:	10,6 m		
Depth:	5,32 m		
Draught:	5,01 m		
Freeboard:	458 mm		

MACHINERY

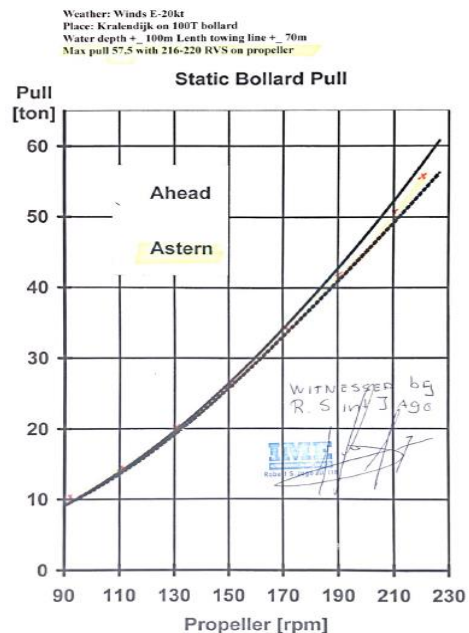
Main engines: 2 x Wartsila 6L26
 Total power: 2999/3660 kW
 Propulsion; 2 x fixed pitch ASD propeller (Aquamaster 3001)

PERFORMANCE

Bollar pull (ahead): 62 t @ 3660 kW
 Bollar pull (astern): 56 T @ 3660 kW
 Speed (maximum): 13 kt
 Speed (economic): 9 kt

TANK CAPACITIES

Fuel oil: 102 m3
 Portable water: 40 m3
 Foam: 13 m3





T/B ISAC SPESIFICATION

GENERATOR SET

Caterpillar Generator Set (2 pc)

KVA 131/105Kw/0.8 COS /Hz60
Volts 440/ Amps 172/ Rpm 1800

ACCOMODATIONS

Accommodations air conditioned for 8 pers

DECK EQUIPMENT

Fore winch Hydraulic
 Double drum, 30 T brake load
 Line pull 30 T @ 12 m/min at 1st layer
 Single drum, 150 T brake load
 Line pull 20 T @ 19 m/min at 1st layer

Aft winch Hydraulic
 Single drum, 150 T brake load
 Line pull 20 T @ 19 m/min at 1st layer

NAVIGATIONAL EQUIPMENT

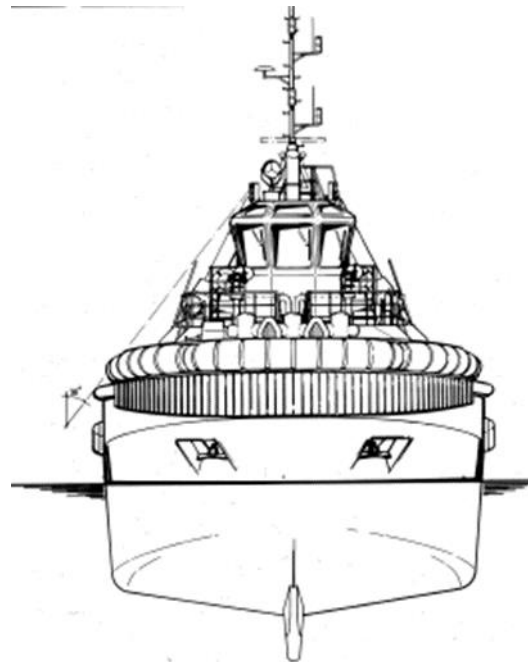
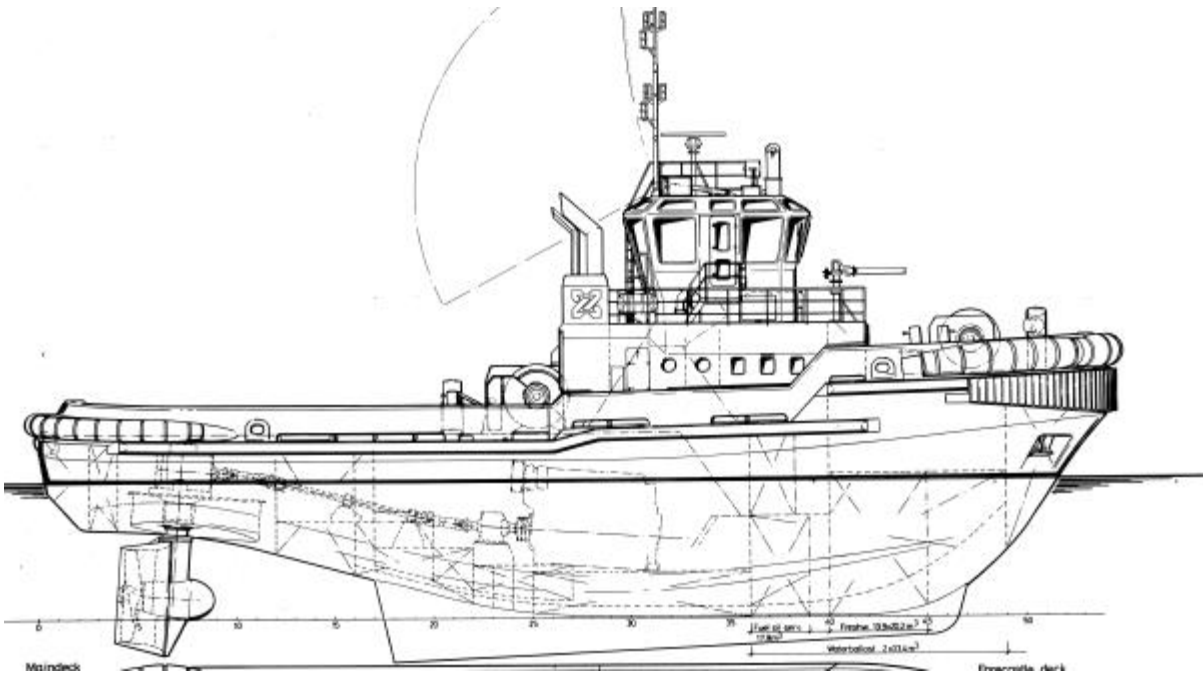
Magnetic compass	Kelvin Hughes Observators
Echo sounder	Furuno FCV 612
VHF	FM-8800 S
MF/HF	FS-1570 T

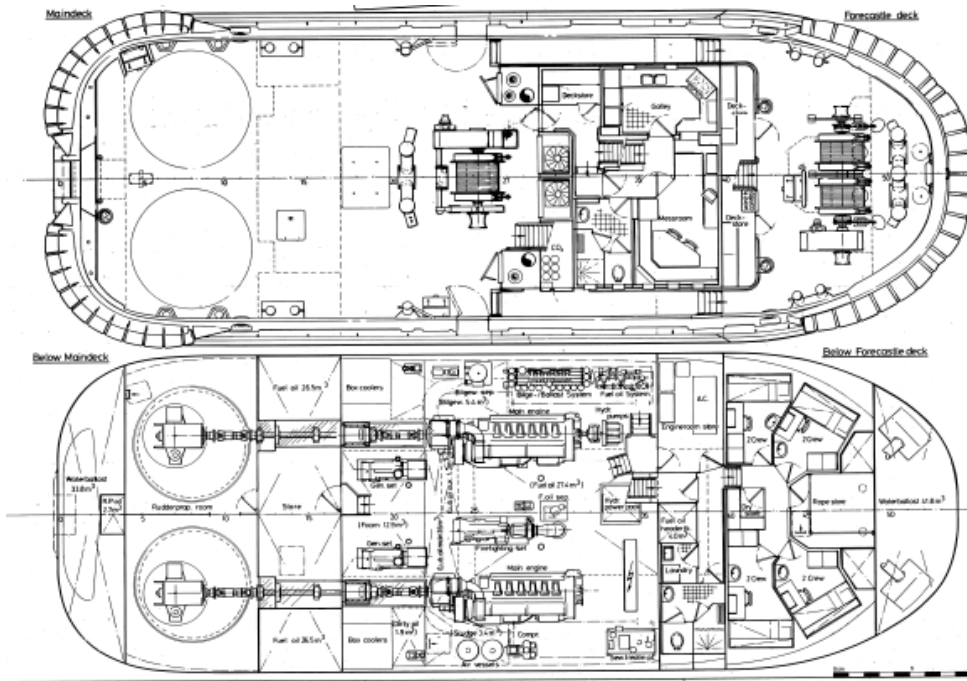
Radar	Furuno
GPS	Furuno
Navtex	Furuno
Satellite compass	Furuno THD
Inmarsat C	JRC NDZ-127C1
BNWAS	Furuno BR-500
AIS	JHS-182

OTHER EQUIPMENT

Capacity of Fire Fighting monitors	2x 300 m ³ /h ^f
Water spray	

TUG ARRANGEMENT





Damen ASD Tug 3111



Principal dimensions:

Length o.a.	30.60m
Beam o.a.	11.20m
Depth at sides (at half length)	5.00m
Draught aft (approx.)	5.10m

Project	3111	DAMEN SHIPYARDS	
Client	08-01-78		
Design	08-02-78		
Construction	08-03-78		
General arrangement			
Scale	1:100	Sheet	1/10
Author		Checked	
Drawn		Approved	
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